

Converting Colors

$Yxy(18.4894, 0.3386, 0.1639)$

Have a look what the booklet for
Yxy(18.4894, 0.3386, 0.1639)
contains.

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Color

Yxy(18.4663, 0.3382, 0.1637)

Conversions

Conversions Part 1

Format	Color
Hex	D600C8
RGB	214, 0, 200
RGB Percent	84%, 0%, 78%
CMY	0.1609, 0.9992, 0.2157
CMYK	0.00, 1.00, 0.07, 0.16
HSL	304°, 100%, 42%
HSV	304°, 100%, 84%
XYZ	38.1509, 18.4663, 56.1885
YIQ	86.7860, 63.3440, 107.5680

Conversions

Conversions Part 2

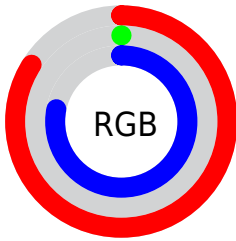
Format	Color
R_{YB}	214, 0, 200
Decimal	14024904
CIE _{Lab}	50.06, 84.10, -46.53
CIE _{LCh}	50, 96.115, 331.046
Yxy	18.4663, 0.3382, 0.1637
Android (android.graphics.Color)	4292214984 (0xFFD600C8)
YUV	86.7860, 55.8145, 111.5667
Hunter-Lab	42.9724, 83.2704, -47.4438

Details

The Yxy color **18.4663, 0.3382, 0.1637** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **48.1164, 0.2990, 0.5964**, and the grayscale version is **9.3772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **8.9144, 0.3359, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **18.4619, 0.3382, 0.1637**, and if you desaturate by 10%, it is **19.0874, 0.3361, 0.1662**.

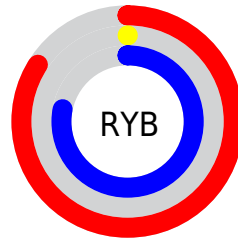
Distribution



Red (84%)

Green (0%)

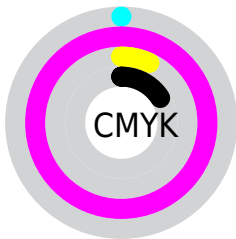
Blue (78%)



Red (84%)

Yellow (0%)

Blue (78%)

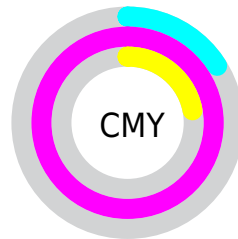


Cyan (0%)

Magenta (100%)

Yellow (7%)

Black (16%)



Cyan (16%)

Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4663, 0.3382, 0.1637 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.4663, 0.3382, 0.1637 by changing the saturation by 10% instead.


 18.4663, 0.3382,
0.1637


 18.4663, 0.3382,
0.1637


243.4864, 0.3293,
0.2433


 11.2853, 0.3390,
0.1456


 40.8303, 0.3360,
0.1915


 6.2591, 0.3392,
0.1237


 56.7821, 0.3348,
0.2023

 3.0032, 0.3378,
0.0971


 76.4262, 0.3337,
0.2116

 1.1334, 0.3329,
0.0655

 100.1471, 0.3327,
0.2196

 0.0063, 0.3298,
0.0008

 128.3292, 0.3317,
0.2266

 0.0000, 0.2880,
0.0000

 161.3568, 0.3308,

 0.0000, 0.0000,

0.2329

0.0000

199.6144, 0.3300,
0.2384

■ 18.4663, 0.3382,
0.1637

■ 18.4663, 0.3382,
0.1637

■ 18.4619, 0.3382,
0.1637

■ 19.0874, 0.3361,
0.1662

■ 20.3232, 0.3338,
0.1724

■ 22.3747, 0.3312,
0.1829

■ 25.3540, 0.3284,
0.1976

■ 29.3555, 0.3255,
0.2159

■ 34.4622, 0.3227,
0.2368

■ 40.7484, 0.3199,
0.2595

■ 48.2822, 0.3173,
0.2829

■ 57.1262, 0.3149,
0.3064

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.4663, 0.1897, 0.1233



18.4663, 0.3382, 0.1637



18.4663, 0.5272, 0.2318

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.4663, 0.3382, 0.1637



18.4663, 0.4827, 0.5173



18.4663, 0.0748, 0.2193

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.4663, 0.3382, 0.1637



48.1164, 0.2990, 0.5964

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.4663, 0.1144, 0.4139



18.4663, 0.3382, 0.1637



18.4663, 0.3454, 0.6450

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.4663, 0.3382, 0.1637



18.4663, 0.5975, 0.3992



18.4663, 0.2135, 0.6419



18.4663, 0.0765, 0.1374

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.4663, 0.3382, 0.1637



18.4663, 0.6123, 0.2833



18.4663, 0.2135, 0.6419



18.4663, 0.0822, 0.2692

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.4672, 0.3382, 0.1637



60.2018, 0.3200, 0.2585



4.9291, 0.1513, 0.0608



11.9927, 0.3212, 0.2488



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4672, 0.3382, 0.1637



27.4511, 0.3384, 0.1638



15.1498, 0.5191, 0.2634



12.6180, 0.3148, 0.3075



11.1675, 0.3379, 0.1635



0.6779, 0.3347, 0.1617

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.4672, 0.3382, 0.1637



27.4511, 0.3384, 0.1638



49.3870, 0.2680, 0.4849



12.6180, 0.3148, 0.3075



11.1675, 0.3379, 0.1635



0.6779, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 18.4663, 0.3382, 0.1637 looks on a white background.

Color Contrast Check

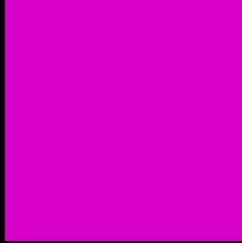
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4663, 0.3382, 0.1637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

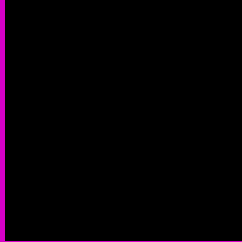
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4663, 0.3382, 0.1637

Background



This preview shows how black text looks on a background with the Yxy color 18.4663, 0.3382, 0.1637.



This preview shows how white text looks on a background with the Yxy color 18.4663, 0.3382, 0.1637.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.4663, 0.3382, 0.1637

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.2840, 0.2212, 0.2160



Tritanopia

18.7886, 0.4954, 0.3237

Trichromacy



Original Color

18.4663, 0.3382, 0.1637



Protanomaly

12.3650, 0.1838, 0.1140



Deuteranomaly

14.1001, 0.2500, 0.1614



Tritanomaly

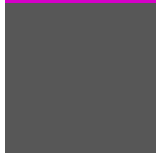
16.9094, 0.4421, 0.2462

Monochromacy



Original Color

18.4663, 0.3382, 0.1637



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.2774, 0.3273, 0.2033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4663, 0.3382, 0.1637 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(214, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(214, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 200) }
```

Border

The CSS property to change the border of an element to Yxy 18.4663, 0.3382, 0.1637 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 0, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(214, 0, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(214, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4663, 0.3382, 0.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(214, 0,  
200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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